Joshua Katz

(828)545-0560   Asheville, NC   joshua.samuel.katz@gmail.com

github.com/joshuaskatz   linkedin.com/in/joshua-katz-043596159

LANGUAGES

Proficient: JavaScript, TypeScript, HTML/CSS, SQL

Familiar: Python, GO

TECHNOLOGIES

Proficient: ReactJS, Node.js, GraphQL, REST API, PostgreSQL, TypeORM, Git, Jest, Github Actions, Firebase (Analytics and Authentication)

Familiar: Prisma, MongoDB, Mongoose, Storybook, AWS (Serverless and S3), Docker

EDUCATION

8/2013 - 5/2017

B.S. in Chemistry, Minor in Math

UNC Asheville

- Undergraduate Research Scholar
- Departmental Distinction in Chemistry

RESEARCH EXPERIENCE

4/2015 - 5/2017

UNC Asheville, Department of Chemistry

- "Synthesis and antibiotic evaluation of heterocyclic A and C ring depsidone analogs."
- Optimized synthetic routes for heterocyclic depsidone analogs, to test against Gram-positive and Gram-negative antibacterial assays

REFERENCES

Blake Estes

Lead Developer, DIG Labs

(832)296-7835

Branden Mountain

Lead Brewer, Asheville Brewing Company

(828)974-1230

Dr. Amanda Wolfe

Department of Chemistry, University of North Carolina Asheville

(828)251-6957

WORK EXPERIENCE

1/2021 - Present

Junior Software Engineer

DIG Labs

Helped develop a pet health app using React Native, coupled with a GraphQL backend hosted via an AWS Serverless Lambda function - all in TypeScript. Gained experience with Git in an agile software development setting. Utilized Firebase analytics and authentication for integration with Mixpanel.

7/2017 - 3/2020

Brewer

Asheville Brewing Company

Brewed on a 7bbl and 15bbl brewhouse system. Performed filters and dry hopping. Created SOP for aseptic inoculation of yeast on agar slants and plates, as well as general aseptic lab techniques for handling/propagating yeast.

PROJECTS

Song Rex - TypeScript

https://www.s-rex.io

Users can log in using their Spotify account through a Passport authorization flow, and generate playlists based off of their top played songs. This project uses PostgreSQL as the database, with a REST API and Express server. The front-end was styled using React-Bootstrap and SCSS.

Technologies used: React, React-Bootstrap, REST API, TypeORM, Passport, Jest

Chat App Server - TypeScript

https://www.github.com/joshuaskatz/chat-app-server

This is a GraphQL API with social media functionality. It allows for sending, accepting, and deleting friend requests, as well as private messaging other users on your friends list in chatroom's where multiple users can connect. This project uses PostgreSQL as the database.

Technologies used: Type-GraphQL, TypeORM - used Raw SQL, Jest

Share Our Water - JavaScript

https://share-our-water.herokuapp.com/

This is a fishing log where users can enter and track their fishing trips, as well as their tackle, in an organized fashion. You can also view all rivers logged in the database on comprehensive map. This project uses PostgreSQL as the database. An alternate backend was created using GraphQL and Sequelize.

Technologies used: React, Bootstrap, GraphQL, Apollo, Prisma, MapBox, Jest